

**OCCUPATIONAL SAFETY
AND HEALTH STANDARDS BOARD**

2520 Venture Oaks Way, Suite 350

Sacramento, CA 95833

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Website address: www.dir.ca.gov/oshsb**NOTICE OF PROPOSED MODIFICATIONS TO
CALIFORNIA CODE OF REGULATIONS**

TITLE 8: Chapter 4, Subchapter 6, Article 7, Section 3016; Article 20, Section 3120.6; and Article 22, Section 3122.0 of the Elevator Safety Orders

Elevator Pits

Pursuant to Government Code Section 11346.8(c), the Occupational Safety and Health Standards Board (Standards Board) gives notice of the opportunity to submit written comments on the above-named regulations in which further modifications are being considered as a result of public comments, oral comments and/or Board staff evaluation.

On January 16, 2003, the Standards Board held a Public Hearing to consider revisions to Title 8, Sections 3016, 6120.6 and 3122 of the Elevator Safety Orders, California Code of Regulations. The Standards Board received an oral comment on the proposed revisions. The regulations have been further modified as a result of the comment and Board consideration.

A copy of the full text of the regulation as originally proposed, and a copy of the modified text clearly indicating the further modifications, is attached for your information. In addition, a summary of all oral and written comments regarding the original proposal and staff responses is included.

Written comments on these modifications must be received by 5:00 p.m. on May 19, 2003 at the Occupational Safety and Health Standards Board, 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833. These regulations will be scheduled for adoption at a future business meeting of the Standards Board.

The Standards Board's rulemaking files on the proposed action are open to public inspection Monday through Friday, from 8:00 a.m. to 4:30 p.m., at the Standards Board's office at 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833.

Inquiries concerning the proposed changes may be directed to the Acting Executive Officer, Marley Hart at (916) 274-5721.

**OCCUPATIONAL SAFETY AND HEALTH
STANDARDS BOARD**

Date: April 29, 2003

Marley Hart, Acting Executive Officer

REGULATIONS AS ORIGINALLY PROPOSED

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3016(b) to read:

§ 3016. Pits for Elevators.

(a) Where Required. *A pit shall be provided at the bottom of the hoistway of every power-driven elevator. The pit shall extend the entire area of the hoistway.*

(b) Design and Construction of Pits.

(1) See ~~§~~section 3010(c) for details of pit construction.

(2) *The pit depth shall be not less than is required for the installation of the buffers, compensating sheaves, if any, and all other elevator equipment located therein, and to provide the minimum bottom clearance and runby required by §section 3017.*

(3) The floor of the pit shall be approximately level, but sufficient slope shall be allowed for drainage. No recess shall be allowed unless covered or guarded.

(4) Drains connected directly to sewers shall not be installed in elevator pits.

(5) Drains or sumps in elevator pits shall not be used as the normal means of drainage for liquids directed into the pit from other areas of the building.

(6) Pumping equipment provided to remove accidental water from the pit shall be located outside the hoistway where practicable or shall be of the type that can be readily removed from the hoistway for repairs. *When necessary to enter the pit to remove accidental water accumulations, an authorized person shall be present from an elevator company that is currently licensed by the State of California Contractors License Board.*

(7) The elevator pit may be provided with a water removal system that complies with section 3120.6(c).

~~(Title 24, Part 7, Section 7 3016.)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3120.6. to read:

§ 3120.6. Pits.

(a) Pits shall comply with ~~§~~section 106 of ASME A17.1-1996; except for Rules 106.1(b)(3), 106.1c and 106.1d(2); which is hereby incorporated by reference.

(b) ~~(a)~~ Pits shall comply with section 3016(a), section 3016(c), section 3016(d)(3), section 3016(d)(4), section 3016(d)(5), and section 3016(h).

(c) A water removal system such as a sump pump, suction drain, or gravity drain may be used to address water accumulations on the pit floor pursuant to section 1206.2a of ASTM A17.1-1996. The water removal system, if provided, shall comply with the following:

(1) Equipment related to the water removal system shall not be located in the pit, elevator hoistway, or machine room;

(2) Piping related to the water removal system shall be located outside the pit and machine room, except that the piping extending from the pit floor to the lowest landing may be installed inside the hoistway.

(3) The water removal system shall not be connected directly to the sewer.

(4) The following shall apply if a drain in the pit floor is used as the water removal system:

(A) The drain shall be designed so that water cannot enter the pit through the drain;

(B) If a sump is provided, the drain shall be in the sump.

(d) Water accumulations shall be removed/pumped from the pit. When necessary to enter the pit to remove water accumulations, an authorized person shall be present from an elevator company that is currently licensed by the State of California Contractors License Board.

(e) All elevators installed after October 25, 1998 may be provided with a water removal system that complies with the requirements of section 3120.6(c).

NOTE: Discharge from the water removal system may be subject to the local authority having jurisdiction.

~~(Title 24, Part 7, Section 7 3120.6)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; ~~and Section 18943(b), Health and Safety Code.~~

STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3122.0(d) to read:

§ 3122.0. Hoistways, Hoistway Enclosures, and Related Construction.

Hoistways, hoistway enclosures and related construction shall comply with ~~S~~section 300 of ASME A17.1-1996, which is hereby incorporated by reference.

- (a) Machine rooms and machinery spaces shall comply with sections 3050(b)(7) and 3050(b)(8).
- (b) Electrical equipment, wiring, pipes and ducts in hoistways, machine rooms and machinery spaces shall comply with section 3120.2.
- (c) Guarding of exposed equipment shall comply with section 3120.4(a) and section 3052(a)(2)(A).
- (d) Pits shall comply with ~~S~~section 3120.6~~(a)~~.

~~(Title 24, Part 7, Section 7 3122.0.)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; ~~and~~
~~Section 18943(b), Health and Safety Code.~~

PROPOSED MODIFICATIONS

(Modifications are indicated by bold, underline wording for new language and bold, strikeout for deleted language.) Only those pages containing modifications are included.

STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3016(b) to read:

§ 3016. Pits for Elevators.

(a) Where Required. *A pit shall be provided at the bottom of the hoistway of every power-driven elevator. The pit shall extend the entire area of the hoistway.*

(b) Design and Construction of Pits.

(1) See ~~§~~section 3010(c) for details of pit construction.

(2) *The pit depth shall be not less than is required for the installation of the buffers, compensating sheaves, if any, and all other elevator equipment located therein, and to provide the minimum bottom clearance and runby required by §section 3017.*

(3) The floor of the pit shall be approximately level, but sufficient slope shall be allowed for drainage. No recess shall be allowed unless covered or guarded.

(4) Drains connected directly to sewers shall not be installed in elevator pits.

(5) Drains or sumps in elevator pits shall not be used as the normal means of drainage for liquids directed into the pit from other areas of the building.

(6) Pumping equipment provided to remove accidental water from the pit shall be located outside the hoistway where practicable or shall be of the type that can be readily removed from the hoistway for repairs. **Authorized personnel shall be present w**~~**When it is necessary to enter the pit to remove accidental water accumulations, an authorized person shall be present from an elevator company that is currently licensed by the State of California Contractors License Board.**~~

(7) The elevator pit may be provided with a water removal system that complies with section 3120.6(c).

~~(Title 24, Part 7, Section 7-3016.)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3120.6. to read:

§ 3120.6. Pits.

(a) Pits shall comply with ~~§~~section 106 of ASME A17.1-1996; except for Rules 106.1(b)(3), 106.1c and 106.1d(2); which is hereby incorporated by reference.

(b) ~~(a)~~ Pits shall comply with section 3016(a), section 3016(c), section 3016(d)(3), section 3016(d)(4), section 3016(d)(5), and section 3016(h).

(c) A water removal system such as a sump pump, suction drain, or gravity drain may be used to address water accumulations on the pit floor pursuant to section 1206.2a of ASTM A17.1-1996. The water removal system, if provided, shall comply with the following:

(1) Equipment related to the water removal system shall not be located in the pit, elevator hoistway, or machine room;

(2) Piping related to the water removal system shall be located outside the pit and machine room, except that the piping extending from the pit floor to the lowest landing may be installed inside the hoistway.

(3) The water removal system shall not be connected directly to the sewer.

(4) The following shall apply if a drain in the pit floor is used as the water removal system:

(A) The drain shall be designed so that water cannot enter the pit through the drain;

(B) If a sump is provided, the drain shall be in the sump.

(d) Water accumulations shall be removed/pumped from the pit. **Authorized personnel shall be present w**When it is necessary to enter the pit to remove water accumulations, ~~an authorized person shall be present from an elevator company that is currently licensed by the State of California Contractors License Board.~~

(e) All elevators installed after October 25, 1998 may be provided with a water removal system that complies with the requirements of section 3120.6(c).

NOTE: Discharge from the water removal system may be subject to the local authority having jurisdiction.

(Title 24, Part 7, Section 7-3120.6)

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; ~~and Section 18943(b), Health and Safety Code.~~

SUMMARY AND RESPONSE TO COMMENTS

SUMMARY AND RESPONSE TO ORAL AND WRITTEN COMMENTS

There were no written comments.

I. Oral Comments

Oral comments received at the January 16, 2003 Public Hearing.

Mr. Woody Wright, County of Los Angeles

Comment:

Mr. Wright stated some municipalities conduct their elevator maintenance in-house by in-house elevator personnel who are exempt from the licensing requirements. Section 3016(b)(6) would force municipalities to hire a contractor (licensed elevator company) to comply with Section 3016(b)(6). Mr. Wright recommended modifying the proposal to permit elevator personnel to oversee the removal of water accumulations from elevator pits. Mr. Wright made other comments not within the scope of this proposal.

Board Response:

The Board concurs with Mr. Wright's comment as it relates to this proposal. Sections 3016(b)(6) and 3120.6(d) were modified to address Mr. Wright's concern.